

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-010639

(43)Date of publication of application : 15.01.2004

(51)Int.Cl. C09C 3/10
B01J 2/00
B01J 3/00
B01J 19/00
C08J 3/12
C09C 3/06
// A61K 7/00
C08L101:00

(21)Application number : 2002-162100

(71)Applicant : KAO CORP

(22)Date of filing : 03.06.2002

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NOJIRI NAOKI
NAKAMURA HIDETAKE
IMAKI TAKUYA

(54) COMPOSITE POWDER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide composite powder exhibiting optical characteristics possessed by a fluorine polymer while maintaining characteristics of powder such as an ultralow content of aggregates and a good particle feeling and to provide a method for producing the powder.

SOLUTION: The composite powder comprises composite particles in which the fluorine polymer is present on the surfaces of particles constituting the powder. The composite powder has 0.01-500 μm average particle diameter. The content of the composite particles having a particle diameter of ≥ 10 times that of the particles in the powder is $\leq 10\%$. The method for producing the composite powder comprises bringing the powder into contact with the fluorine polymer in the presence of a supercritical fluid in a container, then making the resultant mixture of the powder with the fluorine polymer and the supercritical fluid present under a pressure below the critical pressure of the supercritical fluid and thereby compositing the powder with the fluorine polymer.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

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List of IDS

RE: US Patent Application Serial No. 10/586,512
for International Patent Application No. PCT/JP2005/001049
"A Method for Producing Fine Particles Using Method of Rapid
Expansion into Poor Solvent from Supercritical Fluid"
JAPAN SCIENCE AND TECHNOLOGY AGENCY
Your Ref: NANJP0105US
Our Ref: P2-06K16090-1

- (1) p2 Japanese Laid-Open Patent Publication No. 8-104830
and its English abstract
- (2) p2 Japanese Laid-Open Patent Publication No. 8-113652
and its English abstract
- (3) p2 Japanese Laid-Open Patent Publication No. 11-197494
and its English abstract
- (4) p3 "Review of High Pressure Science and Technology", Kunio Nagahama
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- (5) p3 Sun Y.-P. et al., Ind. Eng. Chem. Res., 2000, vol. 39, No. 12,
pp. 4663-4669
- (6) p3 Meziani M. J. et al., J. Phys. Chem. B, 2002, vol. 106, No. 43,
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- (7) p3 Meziani M. J. et al., ACS Symp. Ser. (Am. Chem. Soc.), 2003,
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- (8) p4 Young T. J. et al., Biotechnol. Prog., 2000, vol. 16, No. 3,
pp. 402-407
- (9) Japanese Laid-Open Patent Publication No. 2004-10639*
and its English abstract

* Please note that Japanese Laid-Open Patent Publication (9) has already
been sent to you with our letter of May 31, 2006.